

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
MARCH 2022 WATER QUALITY DATA

FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) ¹		(mg/L) ²	(µS/cm) ³
03/15/22	08:39	17.6	7.6	5.6	4872

FIELD OBSERVATIONS

03/15/22 08:39- Ambient air temp 73°F. Water color is brown. Sky smoggy. Wind calm. Small amount of foam. Strong odor.

BACTERIAL ANALYSIS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁴
03/15/22	10:05	>16,000 ⁵ (1:10 dilution)
03/15/22	10:05	>16,000 (1:10 dilution)
03/15/22	10:04	54,000 (1:100 dilution)
03/15/22	10:04	35,000 (1:100 dilution)

¹ Water temperature is reported in units of degrees Celsius (°C).

² Dissolved oxygen (D.O.) is reported in units of milligrams per liter.

³ Specific conductivity is reported in units of microSiemens per centimeter.

⁴ Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

⁵ Fecal coliform is greater than the upper reporting limit.

CHEMICAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION (mg/L) ⁶
03/15/22	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	12
03/15/22	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	12
03/15/22	Total Kjeldahl Nitrogen	EPA 351.2	1.0	17
03/15/22	Total Kjeldahl Nitrogen	EPA 351.2	1.0	17
03/15/22	Total Phosphorus	SM 4500-P BE	0.25	2.4
03/15/22	Total Phosphorus	SM 4500-P BE	0.25	2.4
03/15/22	Total Suspended Solids	SM 2540 D	5	31
03/15/22	BOD ⁷	SM 5210 B	10	14
03/15/22	BOD	SM 5210 B	10	13
03/15/22	Arsenic	EPA 200.8	0.002	0.0043
03/15/22	Arsenic	EPA 200.8	0.002	0.007
03/15/22	Selenium	EPA 200.8	0.0005	0.0057
03/15/22	Selenium	EPA 200.8	0.0005	0.0058

⁶ The concentrations are reported in units of milligrams per liter.

⁷ Biochemical Oxygen Demand.